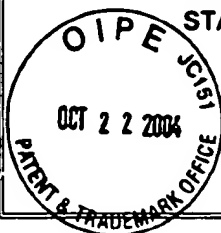


Form PTO-1449	U.S. Department of Commerce Patent and Trademark Office	Atty. Docket No. 00-713-i13	Serial No. 09/975,384
INFORMATION DISCLOSURE STATEMENT BY APPLICANT		Applicant: Mirkin, et al.	
		Filing Date: October 11, 2001	Group: 1637



U.S. PATENT DOCUMENTS

Examiner Initial		Document Number	Date	Name	Class	Subclass	Filing Date
	1.	6,361,944	03/26/02	Mirkin, et al.	435	6	06/25/99
	2.	6,417,340	07/09/02	Mirkin, et al.	536	23.1	10/20/00
	3.	6,495,324	12/17/02	Mirkin, et al.	435	6	10/20/00
	4.	6,506,564	01/14/03	Mirkin, et al.	435	6	06/26/00
	5.	6,582,921	06/24/03	Mirkin, et al.	435	6	09/20/01
	6.	6,602,669	08/05/03	Mirkin, et al.	435	6	07/11/01
	7.	6,610,491	08/26/03	Mirkin, et al.	435	6	09/28/01
	8.	6,645,721	11/11/03	Mirkin, et al.	435	6	09/20/01
	9.	6,673,548	01/06/04	Mirkin, et al.	435	6	09/28/01
	10.	6,677,122	01/13/04	Mirkin, et al.	435	6	10/11/01
	11.	6,682,895	01/27/04	Mirkin, et al.	435	6	10/12/01
	12.	6,709,825	03/23/04	Mirkin, et al.	435	6	09/28/01
	13.	6,720,147	04/13/04	Mirkin, et al.	435	6	10/12/01
	14.	6,720,411	04/13/04	Mirkin, et al.	536	23.1	10/10/01
	15.	6,726,847	04/27/04	Mirkin, et al.	216	90	11/30/01
	16.	6,730,269	05/04/04	Mirkin, et al.	422	68.1	10/12/01
	17.	6,740,491	05/25/04	Mirkin, et al.	435	6	09/28/01
	18.	6,750,016	06/15/04	Mirkin, et al.	435	6	03/28/01
	19.	6,759,199	07/06/04	Mirkin, et al.	435	6	09/20/01
	20.	6,767,702	07/27/04	Mirkin, et al.	435	6	01/12/01
	21.	6,773,884	08/10/04	Mirkin, et al.	435	6	08/07/01
	22.	6,777,186	08/17/04	Mirkin, et al.	435	6	10/15/01
	23.	2002/0137070 A1	09/26/02	Mirkin, et al.	435	6	10/10/01
	24.	2002/0155461 A1	10/24/02	Mirkin, et al.	435	6	10/12/01
	25.	2002/0160381 A1	10/31/02	Mirkin, et al.	435	6	10/11/01
	26.	2002/0177143 A1	11/28/02	Mirkin, et al.	435	6	12/28/01
	27.	2002/0192687 A1	12/19/02	Mirkin, et al.	435	6	03/27/02
	28.	2003/0054358 A1	03/20/03	Mirkin, et al.	435	6	10/11/01
	29.	2003/0068622 A1	04/10/03	Mirkin, et al.	435	6	10/12/01

u	30.	2003/0068638 A1	04/10/03	Mirkin, et al.	435	6	08/02/02
	31.	2003/0087242 A1	05/08/03	Mirkin, et al.	435	6	12/07/01
	32.	2003/0113740 A1	06/19/03	Mirkin, et al.	435	6	04/18/02
	33.	2003/0124528 A1	07/3/03	Mirkin, et al.	435	6	10/12/01
	34.	2003/0129608 A1	07/10/03	Mirkin, et al.	435	6	05/22/02
	35.	2003/0143538 A1	07/31/03	Mirkin, et al.	435	6	10/11/01
	36.	2003/0143598 A1	07/31/03	Mirkin, et al.	435	6	11/08/02
	37.	2003/0148282 A1	08/07/03	Mirkin, et al.	435	6	10/12/01
	38.	2003/0207296 A1	11/06/03	Mirkin, et al.	435	6	10/08/02
	39.	2003/0211488 A1	11/13/03	Mirkin, et al.	435	6	06/14/02
	40.	2004/0038255 A1	02/26/04	Mirkin, et al.	435	6	03/26/03
	41.	2004/0053222 A1	03/18/04	Mirkin, et al.	435	6	07/02/03
	42.	2004/0072231 A1	04/15/04	Mirkin, et al.	435	6	08/13/03
	43.	2004/0086897 A1	05/06/04	Mirkin, et al.	435	6	05/07/03
u	44.	2004/0101889 A1	05/27/04	Mirkin, et al.	435	6	08/04/03

FOREIGN PATENT DOCUMENTS

		Document Number	Date	Country	Class	Subclass	Translation	
							Yes	No
u	45.	WO 98/04740 A1	02/05/98	PCT				
	46.	WO 00/33079 A1	06/08/00	PCT				
	47.	WO 01/00876 A1	01/04/01	PCT				
	48.	WO 01/051665 A2	07/19/01	PCT				
	49.	WO 01/073123 A3	10/04/01	PCT				
	50.	WO 02/004681 A3	01/17/02	PCT				
	51.	WO 02/018643 A3	03/07/02	PCT				
	52.	WO 02/046472 A3	06/13/02	PCT				
	53.	WO 02/079490 A3	10/10/02	PCT				
	54.	WO 02/096262 A2	12/05/02	PCT				
	55.	WO 2003/008539 A3	01/30/03	PCT				
	56.	WO 2003/035829 A3	05/01/03	PCT				
	57.	WO 2003/081202 A3	10/02/03	PCT				
	58.	WO 2003/087188 A1	10/23/03	PCT				
	59.	WO 2003/095973 A2	11/20/03	PCT				
	60.	WO 2004/004647 A3	01/31/04	PCT				
u	61.	WO 2004/053105 A2	06/24/04	PCT				

Examiner	Date Considered
<i>De L.</i>	4/19/05

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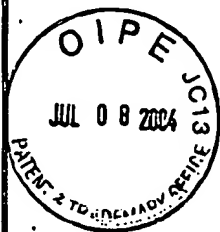
FORM PTO-1449
(Rev. 2-32)U.S. Department of Commerce
Patent and Trademark Office

Atty. Docket No.

Serial No.

00-713413

09/975,384

INFORMATION DISCLOSURE
STATEMENT BY APPLICANT

(Use several sheets if necessary)

Applicant:

Chad A. Mirkin, et al.

Filing Date:

Group:

October 11, 2001

1637

U.S. PATENT DOCUMENTS

Examiner Initial		Document Number	Date	Name	Class	Subclass	Filing Date if Appropriate
14	1.	5,830,986	11/03/98	Merrill, et al.	528	332	10/28/96
	2.	5,900,481	05/04/99	Lough, et al.	536	55.3	11/06/96
	3.	6,203,989	03/20/01	Goldberg, et al.	435	6	03/25/99
	4.	6,251,303	06/26/01	Bawendi, et al.	252	301.4R	09/18/98
	5.	6,277,489	08/21/01	Abbott, et al.	428	403	12/04/98
	6.	6,306,610	10/23/01	Bawendi, et al.	435	7.1	09/17/99
	7.	6,361,944	03/26/02	Mirkin, et al.	435	6	06/25/99
	8.	6,365,418	04/02/02	Wagner, et al.	436	518	05/18/00
14	9.	6,417,340	07/09/02	Mirkin, et al.	536	23.1	10/20/00


FOREIGN PATENT DOCUMENTS

		Document Number	Date	Country	Class	Subclass	Translation Yes	Translation No
14	10.	WO 93/25709	23 December 1993	PCT				
	11.	WO 98/04740	5 February 1998	PCT				
	12.	WO 98/17317	30 April 1998	PCT				
	13.	WO 99/60169	25 November 1999	PCT				
	14.	WO 00/33079	8 June 2002	PCT				
14	15.	WO 01/00876	4 January 2001	PCT				

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		INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)	00-713-i13	09/975,384
			Applicant: Chad A. Mirkin, et al.	
		Filing Date:	Group:	
		October 11, 2001	1637	

U.S. PATENT DOCUMENTS

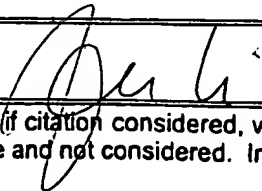
Examiner Initial	Document Number	Date	Name	Class	Subclass	Filing Date if Appropriate

FOREIGN PATENT DOCUMENTS

		Document Number	Date	Country	Class	Subclass	Translation Yes No	
16.		WO 01/51665	19 July 2001	PCT				
17.		WO 01/73123	4 October 2001	PCT				
18.		WO 01/86301	15 November 2001	PCT				
19.		WO 02/04681	17 January 2002	PCT				
20.		WO 02/18643	7 March 2002	PCT				
21.		WO 02/36169	10 May 2002	PCT				
22.		WO 02/46483	13 June 2002	PCT				
23.		WO 02/46472	13 June 2002	PCT				

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

24.	Letsinger, R., et al., "Chemistry of Oligonucleotide-Gold Nanoparticle Conjugates," <i>Phosphorus, Sulfur and Silicon</i> , Volume 144, p. 359-362 (1999)
25.	Letsinger, R., et al., "Use of a Steroid Cyclic Disulfide Anchor in Constructing Gold Nanoparticle—Oligonucleotide Conjugates," <i>Bioconjugate Chem</i> , p. 289-291 (2000)

EXAMINER	DATE CONSIDERED
	4/19/05

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FOREIGN PATENT DOCUMENTS

Document Number	Date	Country	Class	Subclass	Translation Yes No

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

26.	Li Z., et al., "Multiple thiol-anchor capped DNA-gold nanoparticle conjugates," <i>Nucleic Acids Research</i> , Volume 30, p. 1558-1562 (2002)
27.	Nuzzo R., et al., "Spontaneously Organized Molecular Assemblies. 3. Preparation and Properties of Solution Adsorbed Monolayers of Organic Disulfides on Gold Surfaces," <i>J. Am Chem. Soc.</i> , Volume 109, p. 2358-2368 (1987)
28.	Otsuka, H., et al., "Quantitative and Reversible Lectin-Induced Association of Gold Nanoparticles Modified with D-Lactosyl-D-mercapto-poly(ethyleneglycol)," <i>J. Am Chem. Soc.</i> , Volume 123, p. 8226-8230 (2001)
29.	Wuelfing, P., et al., "Nanometer Gold Clusters Protected by Surface-Bound Monolayers of Thiolated Poly(ethylene glycol) Polymer Electrolyte," <i>J. Am Chem. Soc.</i> , Volume 120, p. 12696-12697 (1998)

EXAMINER

DATE CONSIDERED

4/19/05

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication.